

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
715	Al	5,977,685	11/02/99	Kurita, et al.			06/03/96
	A2	6,060,811	05/09/00	Fox, et al.			07/25/97
1,	A3	6,249,076	06/19/01	Madden, et al.		-	04/14/99
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	B1	Ashley, S., "Smart Skis and Other Adaptive Structures", Mechanical	
75		Engineering, November 1995, pp. 77-81	
	B2	Bar-Cohen, Yoseph, JPL, Worldwide Electroactive Polymers, EAP (Artificial Muscles) Newsletter, Vol. 3, No.1, June 2001	
	В3	Bharti, V., H. S. Xu, G. Shanthi, and Q. M. Zhang, "Polarization and Structural Properties of High Energy Electron Irradiated Poly(vinylidene fluoride-trifluoroethylene) Copolymer Films," to be published in J. Appl. Phys. (2000).	
	B4	Bobbio, S., M Kellam, B. Dudley, S. Goodwin Johansson, S. Jones, J. Jacobson, F. Tranjan, and T. DuBois, "Integrated Force Arrays," in Proc. IEEE Micro ElectroMechanical Systems Workshop, Fort Lauderdale, Florida February 1993.	
	B5	Calvert, P. and Z. Liu, "Electrically stimulated bilayer hydrogels as muscles," Proceedings of the SPIE International Symposium on Smart Structures and Materials: Electro-Active Polymer Actuators and Devices, March 1-2, 1999, Newport Beach, California, USA, pp. 236-241.	
Examiner	η	Date Considered 4-24-03	

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Form 1449 (Modified)

SRI1P035

Application No.:

Information Disclosure Statement By Applicant 0 6 2002

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Applicant:
Kornbluh

10/053,511

Kornbluh, et al. Filing Date

Group

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January 16, 2002

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Form 1449 (Modified)

Information Disclosure Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No. SRI1P035

Application No.:

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Applicant:

Kornbluh, et al.

Filing Date

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	D2	Ohara, K., M. Hennecke, and J. Fuhrmann, "Electrostriction of polymethylmethacrylates," <i>Colloid & Polymer Sci.</i> Vol 280, 164-168 (1982).		
	D3	Pei et al., "Improved Electroactive Polymers", U.S. Patent Application No. 09/619,847, filed July 20, 2000, 70 pages		
	D4	Pelrine, R., R. Kornbluh, and Q. Pei. "Electroactive Polymer Transducers And Actuators", U.S. Patent Application No. 09/620,025, filed July 20, 200 58 pages.		
	D5	Pelrine, R. and Kornbluh, "Electroactive Polymer Devices," U.S. Patent Application No. 09/619,846, filed July 20, 2000, 69 pages		
	D6	Pelrine, R, R. Kornbluh, J. Joseph, and S. Chiba, "Electrostriction of Polymer Films for Microactuators," <i>Proc. IEEE Tenth Annual International Workshop on Micro Electro Mechanical Systems</i> , Nagoya, Japan, January 26-30, 1997, pp. 238-243.		
\downarrow	D7	Pelrine, R., R. Kornbluh, and J. Eckerle. "Energy Efficient Electroactive Polymers and Electroactive Polymer Devices", U.S. Patent Application No. 09/779,373, filed February 7, 2001.		
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		12-24-03		

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Atty Docket Nos MADEMAS SRI1P035 Application No.: 10/053,511

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	E3	Pelrine, R., R. Kornbluh, Q. Pei, and J. Joseph, "High Speed Electrically Actuated Elastomers with Over 100% Strain," <i>Science</i> , Vol. 287, No. 5454, pages 1-21, 2000		
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	E6	Smela, E., O. Inganäs, and I. Lundström, "Controlled Folding of Micrometer-size Structures," <i>Science</i> , Vol. 268, pp. 1735-1738 (23 June 1995).		
	E7	Uchino, K. 1986. "Electrostrictive Actuators: Materials and Applications," Ceramic Bulletin, 65(4), pp. 647-652, 1986		
	E8	Pelrine et al., "Electroactive Polymer Generators", U.S. Patent Application No. 09/619,848, filed July 20, 2000, 69 pages		
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V	E10	Kornbluh, R., R. Pelrine, Q. Pei and J. Eckerle "Electroactive Polymer Sensors", U.S. Patent Application No. 10/007,705, filed December 6, 2001.		
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	F2	Lakes, R.S., "Extreme damping in compliant composites with a negative stiffness phase", Philosophical Magazine Letters, 81, 95-100 (2001)		
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	F6	Kornbluh, R., R. Pelrine, Q. Pei and V. Shastri "Electroactive Polymer (EAP) Actuators as Artificial Muscles - Reality, Potential and Challenges", Chapter 16, available from SPIE Press on May 2001.		
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